ORDER NO. STD-7804-622

# Service Manual

# Manuel de service

**Compact Stereo**
**Combiné stéréo**

**Model**
**Modèle** SE-5508(c)

**FM/AM/FM STEREO RADIO WITH CASSETTE TAPE DECK AND RECORD CHANGER**

**RÉCEPTEUR FM/AM/FM STÉRÉO AVEC MAGNÉTOPHONE À CASSETTE ET TOURNE-DISQUE AUTOMATIQUE**

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Panasonic

**Matsushita Electric of Canada Ltd.**
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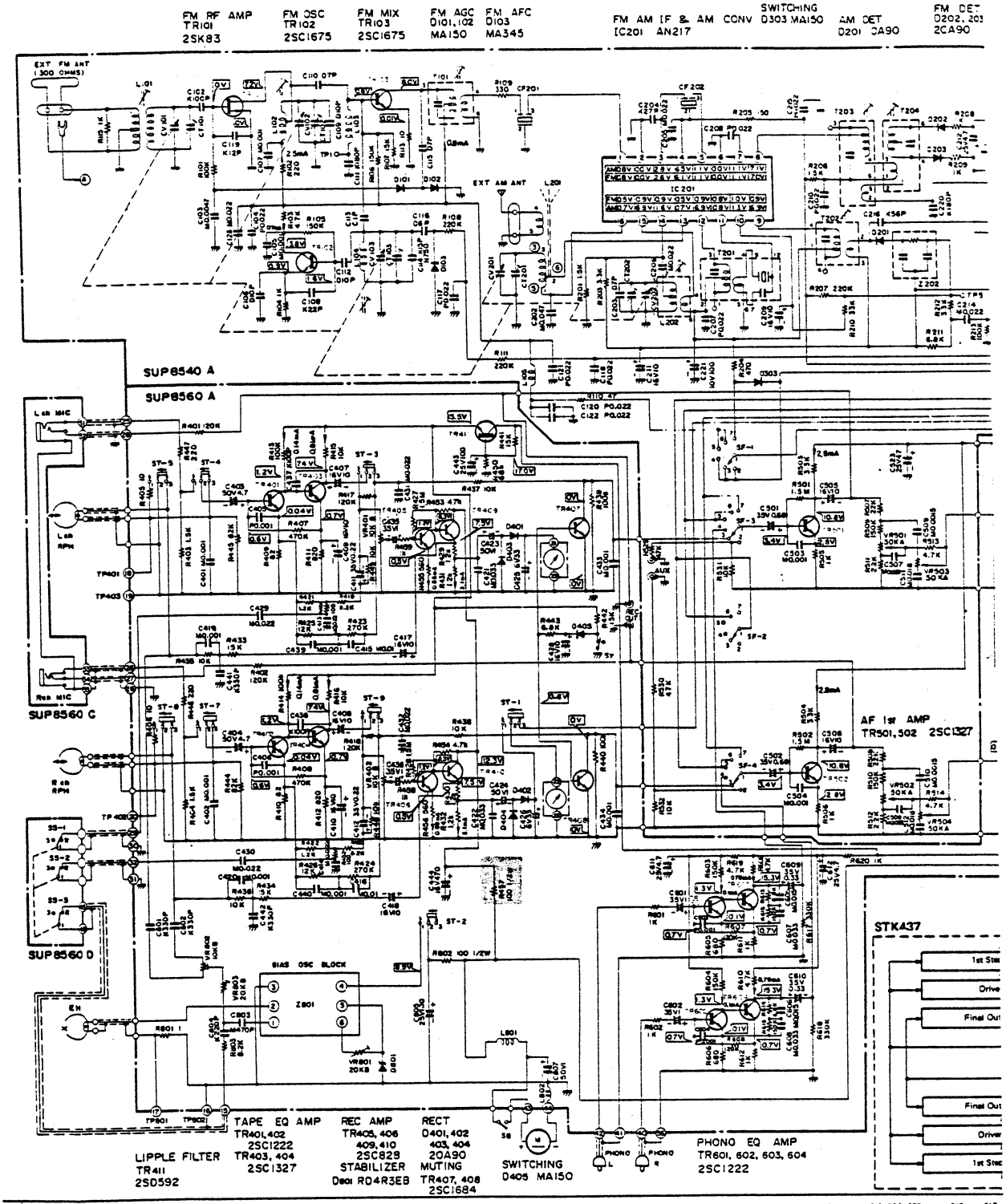
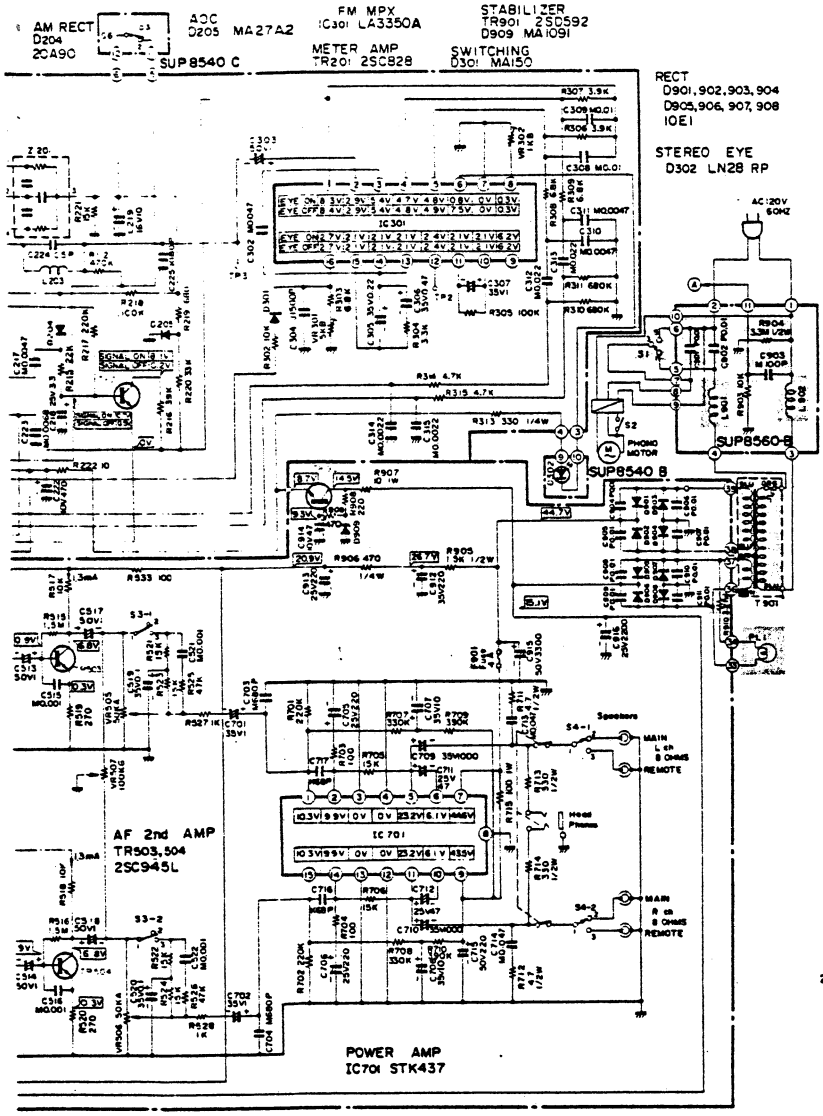
# SCHEMATIC

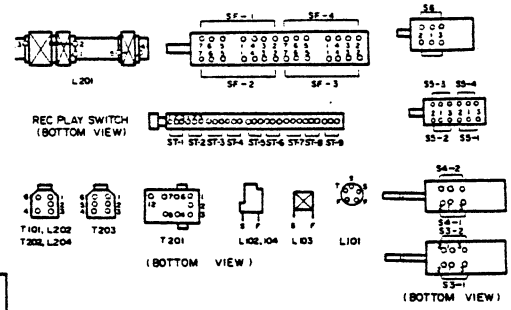

FM RF AMP TR101 2SK83
FM OSC TR102 2SC1675
FM MIX TR103 2SC1675
FM AGC D101,102 MA150
FM AFC D103 MA345
SWITCHING D303 MA150
FM AM IF & AM CONV IC201 AN217
AM DET D201 DA90
FM DET D202, 203 2CA90
EXT FM ANT (300 OHMS)
EXT AM ANT
SUP8540 A
SUP8560 A
SUP8560 C
SUP8560 D
AF 1st AMP TR501, 502 2SC1327
STK437
BIAS OSC BLOCK
LIPPLE FILTER TR411 2SD592
TAPE EQ AMP TR401, 402 2SC1222 TR403, 404 2SC1327
REC AMP TR405, 406 409, 410 2SC829 STABILIZER D801 RD4R3EB
RECT D401, 402 403, 404 20A90 MUTING TR407, 408 2SC1684
SWITCHING D405 MA150
PHONO EQ AMP TR601, 602, 603, 504 2SC1222

| | | |

# DIAGRAM




TERMINAL GUIDE



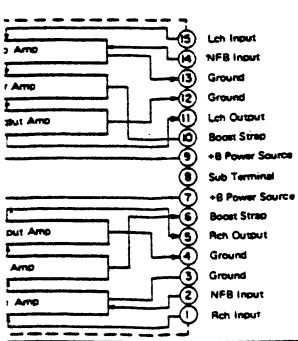

NOTES

1) S1 ; POWER SWITCH in "OFF" position.
S2 ; PHONO MOTOR SWITCH in "OFF" position.
S3 ; LOUDNESS SWITCH in "OFF" position.
S4 ; SPEAKER SELECTOR SWITCH in "MAIN" position.
S5 ; TAPE SELECTOR SWITCH in "NORMAL" position.
S6 ; AFC SWITCH in "OFF" position.
S7 ; TAPE SECTION MUTING SWITCH in "OFF" position.
S8 ; TAPE MOTOR SWITCH in "OFF" position.
SF-1 ~ 4 , FUNCTION SELECTOR SWITCH in "TAPE/MIC" position.
(1.COMMON 2.AUX 3.TAPE/MIC 4.PHONO 5.FM AUTO 6.FM MONO 7.AM)
ST-1 ~ 9 , REC PLAY SELECTOR SWITCH in "PLAY" position.

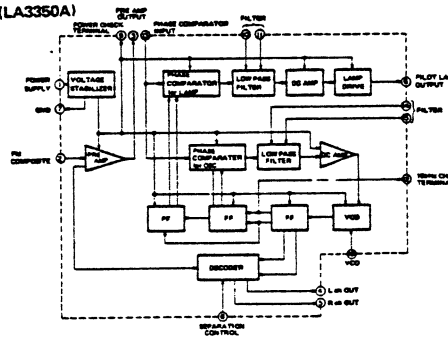
2) Letters (M,K,J,P,Z) indicate tolerance of capacitors as follows.
M = ±20% K = ±10% J = ±5% P = +100% 0% Z = +80% −20%

3) DC voltages are to be measured with DC VTVM under no signal condition in FM or AM position, and also in "RECORDING" mode.

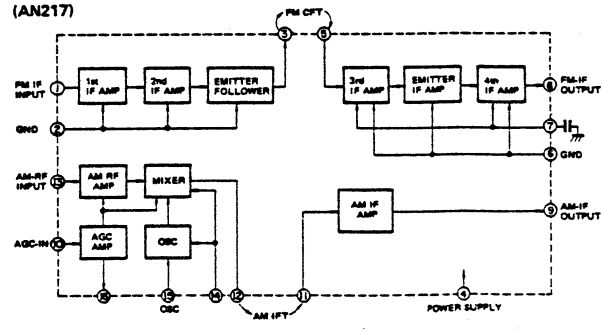
## IC BLOCK DIAGRAM

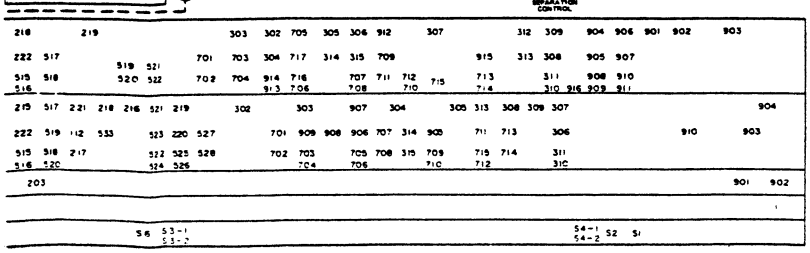



(LA3350A)




(AN217)




**IMPORTANT SAFETY NOTICE**

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR SAFETY.
WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

# REPLACEMENT PARTS LIST

**NOTES:**

1. Part numbers composed by bold face are service standard parts and may differ from production parts.
2. Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
3. The ○ mark indicates the new parts of the factory.
4. The • mark indicates the supplied parts by MEP.

| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|
| **TRANSISTORS** | | | |
| TR101 | 2SK83 | FM RF Amp | 1 |
| TR102,103 | 2SC1675-L | FM OSC, Mix | 2 |
| TR201 | 2SC828 | Meter Amp | 1 |
| TR401,402 | **2SC1327** | EQ Amp | 2 |
| TR403,404 | 2SC1327 | EQ Amp | 2 |
| TR405,406 | 2SC828 | Rec Amp | 2 |
| TR407,408 | 2SC1684 | Muting | 2 |
| TR409,410 | 2SC828 | Rec Amp | 2 |
| TR411 | **2SC1383** | Ripple Filter | 1 |
| TR501,502 | 2SC1327 | AF 1st Amp | 2 |
| TR503,504 | **2SC945L** | AM 2nd Amp | 2 |
| TR601,602 | **2SC1327** | Phono EQ Amp | 2 |
| TR603,604 | **2SC1327** | Phono EQ Amp | 2 |
| TR901 | **2SC1383** | Stabilizer | 1 |
| **INTEGRATED CIRCUITS** | | | |
| IC201 | **AN217** | FM, AM, IF, AM Conv. | 1 |
| IC301 | LA3350A | Mix Amp | 1 |
| IC701 | STK437 | Power Amp | 1 |
| **DIODES** | | | |
| D101,102 | MA150 | FM AGC | 2 |
| D103 ○ | MA345 | FM AFC | 1 |
| D201 | **2OA90** | AM Det | 1 |
| D202,203 | 2OA90 | FM Det | 2 |
| D204 | 2OA90 | AM Rect | 1 |
| D205 ○ | MA27A2 | AOC | 1 |
| D301 ○ | MA150 | Switching | 1 |
| D302 ○ | LN28RP | Stereo Eye | 1 |
| D303 ○ | MA150 | Rect | 1 |
| D401,402 | 2OA90 | Rect | 2 |
| D403,404 | 2OA90 | Rect | 2 |
| D405 ○ | MA150 | Switching | 1 |
| D801 | RD4R3EB | Stabilizer | 1 |
| D901,902 | **SM112** | Rect | 2 |
| D903,904 | **SM112** | Rect | 2 |
| D905,906 | **SM112** | Rect | 2 |
| D907,908 | **SM112** | Rect | 2 |
| D909 | MA1091 | Stabilizer | 1 |
| **LAMP AND FUSE** | | | |
| PL1 | XAMQ33P | 380mA Lamp | 1 |
| F901 ○ | XBA1M40NL114 | 125V 4AT | 1 |
| **METER** | | | |
| M1 ○ | EMT1910 | Meter | 1 |
| **COILS AND TRANSFORMERS** | | | |
| L101 | SLA4N2-O | ANT Coil, FM | 1 |
| L102 ○ | SLD4N22-M | Coil Coil | 1 |
| L103 | SLQY11G-2 | Choke Coil | 1 |
| L104 | SLO4N16-M | OSC Coil, FM | 1 |
| L105 | SLQY11G-2 | Choke Coil | 1 |
| L201 ○ | SLF2D32-O | Ferrite ANT, FM | 1 |
| L202 | RLO2M9-K | AM OSC Coil | 1 |
| L203 | SLQU270-2K | RFC | 1 |
| L801,802 | SLQU270-2K | RFC | 2 |
| L901,902 | SLQY35S-2S | RFC | 2 |
| T101 | RLI4M101 | FM 1st IFT | 1 |
| T201 | RLI7W105Q-M | AM CFT | 1 |
| T202 ○ | SLI2M202-M | AM IFT | 1 |
| T203 | RLI4M501-M | FM Disc IFT | 1 |
| T204 | RLI4M502-M | FM Disc IFT | 1 |
| T901 ○ | SLT5M78-W | Power Trans. | 1 |
| CF201,202 ○ | SVF107MA5V | FM CFT | 2 |
| **COMPONENT COMBINATION** | | | |
| Z201 | EXA5DL104C | 330pF × 3, 4.7kΩ × 2 | 1 |
| Z202 | EXAF203Z471 | 0.01μF × 2, 470Ω | 1 |
| **OSCILLATOR BLOCK** | | | |
| Z801 ○ | SLO9Z22-K | | 1 |



# REPLACEMENT PARTS LIST

| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|
| **VARIABLE RESISTORS** | | | |
| VR301 | EVTS3MA00B53 | Preset 5kΩ B | 1 |
| VR302 | **EVLS3AA00B13** | Preset 1kΩ B | 1 |
| VR401,402 ○ | EVHKNA026B14 | Rec Volume 10kΩ B | 2 |
| VR501,502 ○ | EWK9HA085A54 | Bass Tone 50kΩ A | 1 |
| VR503,504 ○ | EWK9HA085A54 | Treble Tone 50kΩA | 1 |
| VR505,506 ○ | EWKKAA085A54 | Volume 50kΩ A | 1 |
| VR507 | EVHKNA026G15 | Balance | 1 |
| VR801 | EVTS3MA00B24 | Preset, 20kΩB | 1 |
| VR802 | **EVLS3AA00B14** | Preset, 10kΩB | 1 |
| VR803 | EVTS3MA00B24 | Preset, 20kΩB | 1 |
| **VARIABLE CAPACITORS** | | | |
| CT103 | RCVCTY12B218 | Trimmer | 1 |
| CV101,102 103,201 202 | ECV5MX25X26G | Tuning w/Trimmer (CT101,102,201,202) | 1 |
| **SWITCHES** | | | |
| S1 | ESB7042T | Power ON-OFF | 1 |
| S3,4 ○ | ESL36206 | Speaker, Loudness | 2 |
| S5 ○ | ESB72501 | Tape Selector | 1 |
| S6 ○ | ESB71592 | AFC | 1 |
| SF1~4 | SSR92 | Function | 1 |
| ST1~6 ○ | ESD80525-1 | Rec/Play | 1 |
| **OTHERS** | | | |
| 1 ○ | SQX6028 | Instruction Book | 1 |
| 2 | OL340 | Silicone Oil | 1 |
| 3 | SZOGGP501A | Grease for Eject Arm | 1 |
| 4 | SZOGM0380 | Grease except Eject Arm | 1 |
| 5 | AD1600 | Adhesives | 1 |
| **PACKINGS** | | | |
| P1 • | SPG2M074ZA | Packing Case | 1 |
| P2 • | SPG2M076ZA | Inner Carton | 1 |
| P3 • | SPS2M012ZA | DC Protector | 2 |
| P4 • | SPN2M099ZA | Bottom Protector | 1 |
| P5 | SPP108 | Set Cover | 1 |
| P6 | SPN3132 | Pad, Right | 1 |
| P7 | SPN3134 | Pad, Left | 1 |
| P8 • | SPN2M097ZA | Speaker Protector | 2 |
| P9 • | SPN2M096ZA | Divider | 1 |
| P10 • | RPP2M0P04ZA | Plastic Bag, Speaker | 2 |

**Numbering System of Resistor**

| Type | Wattage | Tolerance | Value |
|---|---|---|---|
| Three Letters | One or Two Letters | Two or Three Letters | Three or Four Letters |

Example:

E R D 2 5 T J 1 0 1

| Resistor Type | Tolerance |
|---|---|
| ERD: Carbon Film | F: ±1% |
| ERC: Solid | J: ±5% |
| ERX: Metal Film | K: ±10% |
| ERG: Metal Oxide Film | |
| ERO: Hi Stability Metal Film | |
| ERF: Flameproof Wire-Wound Bath-Tube | |
| ERQ: Fuse Type Metal Film | |

| Ref. No. | Part No. | Description | | Per Set (pcs.) |
|---|---|---|---|---|
| **RESISTORS** | | | | |
| R101 | **ERD25TJ104** | 100kΩ | 1/4W | 1 |
| R102 | **ERD25TJ221** | 220Ω | 1/4W | 1 |
| R103 | **ERD25TJ472** | 4.7kΩ | 1/4W | 1 |
| R104 | **ERD25TJ102** | 1kΩ | 1/4W | 1 |
| R105,106 | **ERD25TJ154** | 150kΩ | 1/4W | 2 |
| R107 | **ERD25TJ153** | 15kΩ | 1/4W | 1 |
| R108 | **ERD25TJ224** | 220kΩ | 1/4W | 1 |
| R109 | **ERD25TJ331** | 330Ω | 1/4W | 1 |
| R110 | **ERD25TJ470** | 47Ω | 1/4W | 1 |
| R111 | **ERD25TJ224** | 220kΩ | 1/4W | 1 |
| R112 | **ERD25TJ474** | 470kΩ | 1/4W | 1 |
| R113 | **ERD25TJ100** | 10Ω | 1/4W | 1 |
| R115 | **ERD25TJ102** | 1kΩ | 1/4W | 1 |
| R201 | **ERD25TJ152** | 1.5kΩ | 1/4W | 1 |
| R203 | **ERD25TJ332** | 3.3kΩ | 1/4W | 1 |
| R204 | **ERD25TJ471** | 470Ω | 1/4W | 1 |
| R205 | **ERD25TJ151** | 150Ω | 1/4W | 1 |
| R206 | **ERD25TJ152** | 1.5kΩ | 1/4W | 1 |
| R207 | **ERD25TJ224** | 220kΩ | 1/4W | 1 |
| R208,209 | **ERD25TJ102** | 1kΩ | 1/4W | 2 |
| R210 | **ERD25TJ333** | 33kΩ | 1/4W | 1 |
| R211 | **ERD25TJ682** | 6.8kΩ | 1/4W | 1 |
| R212 | **ERD25TJ332** | 3.3kΩ | 1/4W | 1 |
| R213 | **ERD25TJ104** | 100kΩ | 1/4W | 1 |
| R215 | **ERD25TJ223** | 22kΩ | 1/4W | 1 |
| R216 | **ERD25TJ393** | 39kΩ | 1/4W | 1 |
| R217 | **ERD25TJ224** | 220kΩ | 1/4W | 1 |
| R218 | **ERD25TJ104** | 100kΩ | 1/4W | 1 |
| R219 | **ERD25TJ681** | 680Ω | 1/4W | 1 |
| R220 | **ERD25TJ333** | 33kΩ | 1/4W | 1 |
| R221 | **ERD25TJ153** | 15kΩ | 1/4W | 1 |
| R222 | **ERD25TJ100** | 10Ω | 1/4W | 1 |
| R302 | **ERD25TJ103** | 10kΩ | 1/4W | 1 |

# REPLACEMENT PARTS LIST

| Ref. No. | Part No. | Description | | Per Set (pcs.) |
|---|---|---|---|---|
| R303 | ERD25TJ682 | 6.8kΩ | 1/4W | 1 |
| R304 | ERD25TJ332 | 3.3kΩ | 1/4W | 1 |
| R305 | ERD25TJ104 | 100kΩ | 1/4W | 1 |
| R306,307 | ERD25TJ392 | 3.9kΩ | 1/4W | 2 |
| R308,309 | ERD25TJ682 | 6.8kΩ | 1/4W | 2 |
| R310,311 | ERD25TJ684 | 680kΩ | 1/4W | 2 |
| R313 | ERD25TJ331 | 330Ω | 1/4W | 1 |
| R314,315 | ERD25TJ472 | 4.7kΩ | 1/4W | 2 |
| R401,402 | ERD25TJ124 | 120kΩ | 1/4W | 2 |
| R403,404 | ERD25TJ152 | 1.5kΩ | 1/4W | 2 |
| R405,406 | ERD25TJ100 | 10Ω | 1/4W | 2 |
| R407,408 | ERD25TJ474 | 470kΩ | 1/4W | 2 |
| R409,410 | ERD25TJ820 | 82Ω | 1/4W | 2 |
| R411,412 | ERD25TJ821 | 820Ω | 1/4W | 2 |
| R413,414 | ERD25TJ104 | 100kΩ | 1/4W | 2 |
| R415,416 | ERD25TJ103 | 10kΩ | 1/4W | 2 |
| R417,418 | ERD25TJ124 | 120kΩ | 1/4W | 2 |
| R419,420 | ERD25TJ822 | 8.2kΩ | 1/4W | 2 |
| R421,422 | ERD25TJ122 | 1.2kΩ | 1/4W | 2 |
| R423,424 | ERD25TJ274 | 270kΩ | 1/4W | 2 |
| R425,426 | ERD25TJ123 | 12kΩ | 1/4W | 2 |
| R427,428 | ERD25TJ155 | 1.5MΩ | 1/4W | 2 |
| R429,430 | ERD25TJ122 | 1.2kΩ | 1/4W | 2 |
| R431,432 | ERD25TJ122 | 1.2kΩ | 1/4W | 2 |
| R433,434 | ERD25TJ153 | 15kΩ | 1/4W | 2 |
| R435,436 | ERD25TJ103 | 10kΩ | 1/4W | 2 |
| R437,438 | ERD25TJ103 | 10kΩ | 1/4W | 2 |
| R439,440 | ERD25TJ104 | 100kΩ | 1/4W | 2 |
| R441,442 | ERD25TJ153 | 15kΩ | 1/4W | 2 |
| R443 | ERD25TJ682 | 6.8kΩ | 1/4W | 1 |
| R444,445 | ERD25TJ823 | 82kΩ | 1/4W | 2 |
| R446,447 | ERD25TJ221 | 220Ω | 1/4W | 2 |
| R448,449 | ERD25TJ103 | 10kΩ | 1/4W | 2 |
| R450 | ERD25TJ683 | 68kΩ | 1/4W | 1 |
| R451,452 | ERD25TJ101 | 100Ω | 1/4W | 2 |
| R453,454 | ERD25TJ472 | 4.7kΩ | 1/4W | 2 |
| R455,456 | ERD25TJ561 | 560Ω | 1/4W | 2 |
| R457 | ERD50TJ101 | 100Ω | 1/2W | 1 |
| R501,502 | ERD25TJ155 | 1.5MΩ | 1/4W | 2 |
| R503,504 | ERD25TJ332 | 3.3kΩ | 1/4W | 2 |
| R505,506 | ERD25TJ102 | 1kΩ | 1/4W | 2 |
| R507,508 | ERD25TJ223 | 22kΩ | 1/4W | 2 |
| R509,510 | ERD25TJ154 | 150kΩ | 1/4W | 2 |
| R511,512 | ERD25TJ222 | 2.2kΩ | 1/4W | 2 |
| R513,514 | ERD25TJ472 | 4.7kΩ | 1/4W | 2 |
| R515,516 | ERD25TJ155 | 1.5MΩ | 1/4W | 2 |
| R517,518 | ERD25TJ103 | 10kΩ | 1/4W | 2 |
| R519,520 | ERD25TJ271 | 270Ω | 1/4W | 2 |
| R521,522 | ERD25TJ153 | 15kΩ | 1/4W | 2 |
| R523,524 | ERD25TJ153 | 15kΩ | 1/4W | 2 |
| R525,526 | ERD25TJ473 | 47kΩ | 1/4W | 2 |
| R527,528 | ERD25TJ102 | 1kΩ | 1/4W | 2 |
| R529,530 | ERD25TJ473 | 47kΩ | 1/4W | 2 |

| Ref. No. | Part No. | Description | | Per Set (pcs.) |
|---|---|---|---|---|
| R531,532 | ERD25TJ103 | 10kΩ | 1/4W | 2 |
| R533 | ERD25TJ101 | 100Ω | 1/4W | 1 |
| R601,602 | ERD25TJ102 | 1kΩ | 1/4W | 2 |
| R603,604 | ERD25TJ154 | 150kΩ | 1/4W | 2 |
| R605,606 | ERD25TJ681 | 680Ω | 1/4W | 2 |
| R607,608 | ERD25TJ124 | 120kΩ | 1/4W | 2 |
| R609,610 | ERD25TJ472 | 4.7kΩ | 1/4W | 2 |
| R611,612 | ERD25TJ102 | 1kΩ | 1/4W | 2 |
| R613,614 | ERD25TJ682 | 6.8kΩ | 1/4W | 2 |
| R615,616 | ERD25TJ154 | 150kΩ | 1/4W | 2 |
| R617,618 | ERD25TJ334 | 330kΩ | 1/4W | 2 |
| R619 | ERD25TJ472 | 4.7kΩ | 1/4W | 1 |
| R620 | ERD25TJ102 | 1kΩ | 1/4W | 1 |
| R701,702 | ERD25TJ224 | 220kΩ | 1/4W | 2 |
| R703,704 | ERD25TJ101 | 100Ω | 1/4W | 2 |
| R705,706 | ERD25TJ153 | 15kΩ | 1/4W | 2 |
| R707,708 | ERD25TJ334 | 330kΩ | 1/4W | 2 |
| R709,710 | ERD25TJ394 | 390kΩ | 1/4W | 2 |
| R711,712 | ERD50TJ4R7 | 4.7Ω | 1/2W | 2 |
| R713,714 | ERD50TJ331 | 330Ω | 1/2W | 2 |
| R715 | ERG1ANJ101 | 100Ω | 1W | 1 |
| R801 | ERD18TJ1R0 | 1Ω | 1/8W | 1 |
| R802 | ERD50TJ101 | 100Ω | 1/2W | 1 |
| R803 | ERD25TJ822 | 8.2kΩ | 1/4W | 1 |
| R903 | ERD25TJ103 | 10kΩ | 1/4W | 1 |
| R904 | ERC12ZGK335 | 3.3MΩ | 1/2W | 1 |
| R905 | ERD50TJ152 | 1.5kΩ | 1/4W | 1 |
| R906 | ERD14FJ471 | 470Ω | 1/4W | 1 |
| R907 | ERX1ANJ100 | 10Ω | 1W | 1 |
| R908 | ERD25TJ221 | 220Ω | 1/4W | 1 |
| R909 | ERD25TJ471 | 470Ω | 1/4W | 1 |
| R910 | ERX1ANJ2R2 | 2.2Ω | 1W | 1 |



# REPLACEMENT PARTS LIST

## Numbering System of Capacitor

| Type | Voltage | Value | Tolerance |
|---|---|---|---|
| Four Letters | One or Two Letters | Two to Five Letters | One or Two Letters |

Example:

E C K D 1 H 3 3 3 M D

| Capacitor Type | Tolerance |
|---|---|
| ECCD: Temperature Compensation Ceramic | C: ±0.25pF |
| ECKD: Hi Dielectric Constant Ceramic | D: ±0.5pF |
| ECQM: Polyester | F: ±1pF |
| ECQS: Polystyrene Film | J: ±5% |
| ECFD: Semiconductor Ceramic | K: ±10% |
| ECEA: Electrolytic | M: ±20% |
| ECEB: Electrolytic | P: +100, −0% |
| ECET: Electrolytic | |
| ECSF: Tantalum | |

| Ref. No. | Part No. | Description | | Per Set (pcs.) |
|---|---|---|---|---|
| **CAPACITORS** | | | | |
| C102 | ECCD1H101K | 100pF | 50WV | 1 |
| C103 | ECKD1H472MD | 0.0047μF | 50WV | 1 |
| C104 | ECFD1E223MD | 0.022μF | 50WV | 1 |
| C105 | ECKD1H102MD | 0.001μF | 50WV | 1 |
| C106 | ECCD1H100D | 10pF | 50WV | 1 |
| C107 | ECKD1H102MD | 0.001μF | 50WV | 1 |
| C108 | ECCD1H220K | 22pF | 50WV | 1 |
| C109 | ECCD1H100D | 10pF | 50WV | 1 |
| C110 | ECCD1H070D | 7pF | 50WV | 1 |
| C111 | ECCD1H181K | 180pF | 50WV | 1 |
| C112 | ECCD1H100D | 10pF | 50WV | 1 |
| C113 | ECCD1H010C | 1pF | 50WV | 1 |
| C114 | ECCD1H150KU | 15pF | 50WV | 1 |
| C115 | ECCD1H070D | 7pF | 50WV | 1 |
| C116 | ECCD1H060D | 6pF | 50WV | 1 |
| C117,118 | ECKD1H223PF | 0.022μF | 50WV | 2 |
| C119 | ECCD1H120K | 12pF | 50WV | 1 |
| C120,121 | ECKD1H223PF | 0.022μF | 50WV | 2 |
| C122,123 | ECKD1H223PF | 0.022μF | 50WV | 2 |
| C202 | ECFD1E473MD | 0.047μF | 35WV | 1 |
| C203 | ECCD1H070D | 7pF | 50WV | 1 |
| C204 | ECCD1H270K | 27pF | 50WV | 1 |
| C205,206 | ECFD1E223MD | 0.022μF | 35WV | 2 |
| C207,208 | ECKD1H223PF | 0.022μF | 50WV | 2 |
| C209 | ECEA16V10 | 10μF | 16WV | 1 |
| C210 | ECKD1H223PF | 0.022μF | 50WV | 1 |
| C211 | ECEA16V10 | 10μF | 16WV | 1 |
| C212 | ECEA35V4R7 | 4.7μF | 35WV | 1 |
| C214 | ECFD1E223MD | 0.022μF | 35WV | 1 |
| C215 | ECKD1H223PF | 0.022μF | 50WV | 1 |
| C216 | ECCD1H560K | 56pF | 50WV | 1 |

| Ref. No. | Part No. | Description | | Per Set (pcs.) |
|---|---|---|---|---|
| C217 | ECKD1H472MD | 0.0047μF | 50WV | 1 |
| C218 | ECEA50V3R3 | 3.3μF | 50WV | 1 |
| C219 | ECEA16V10 | 10μF | 16WV | 1 |
| C220 | ECCD1H181K | 180pF | 50WV | 1 |
| C221 | ECEA10V100 | 100μF | 10WV | 1 |
| C222 | ECEA16V470 | 470μF | 16WV | 1 |
| C223 | ECKD1H682MD | 0.0068μF | 50WV | 1 |
| C224 | ECCD1H050C | 5pF | 50WV | 1 |
| C225 | ECCD1H181K | 180pF | 50WV | 1 |
| C302 | ECFD1E473MD | 0.047μF | 35WV | 1 |
| C303 | ECEA50V1 | 1μF | 50WV | 1 |
| C304 | ECQS1152JZ | 1500pF | 125WV | 1 |
| C305 | ECSF35ER22T | 0.22μF | 35WV | 1 |
| C306 | ECSF35ER47T | 0.47μF | 35WV | 1 |
| C307 | ECSF35E1T | 1μF | 35WV | 2 |
| C308,309 | ECFD1E103MD | 0.01μF | 35WV | 2 |
| C310,311 | ECKD1H472MD | 0.0047μF | 50WV | 2 |
| C312,313 | ECFD1E223MD | 0.022μF | 35WV | 2 |
| C314,315 | ECKD1H222MD | 0.0022μF | 50WV | 2 |
| C401,402 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C403,404 | ECEA50M4R7 | 4.7μF | 50WV | 2 |
| C405,406 | ECKD1H102PF | 0.001μF | 50WV | 2 |
| C407,408 | ECEA16V10 | 10μF | 16WV | 2 |
| C409,410 | ECEA16V10 | 10μF | 16WV | 2 |
| C411,412 | ECSF35ER22T | 0.22μF | 35WV | 2 |
| C413,414 | ECFD1E223MD | 0.022μF | 35WV | 2 |
| C415,416 | ECFD1E103MD | 0.01μF | 35WV | 2 |
| C417,418 | ECEA16V10 | 10μF | 16WV | 2 |
| C419,420 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C421,422 | ECFD1E333MD | 0.033μF | 35WV | 2 |
| C423,424 | ECEA50V1 | 1μF | 50WV | 2 |
| C425,426 | ECEA16V33 | 33μF | 16WV | 2 |
| C428 | ECEA16V10 | 10μF | 16WV | 1 |
| C429,430 | ECFD1E223MD | 0.022μF | 35WV | 2 |
| C431,432 | ECFD1E223MD | 0.022μF | 35WV | 2 |
| C433,434 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C435,436 | ECSF35E1T | 1μF | 35WV | 2 |
| C437,438 | ECCD1H101K | 100pF | 50WV | 2 |
| C439,440 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C441,442 | ECCD1H331K | 330pF | 50WV | 2 |
| C443 ○ | ECEA1ES101 | 100μF | 25WV | 1 |
| C444 ○ | ECEA1CS471 | 470pF | 16WV | 1 |
| C501,502 | ECSF35ER68T | 0.68μF | 35WV | 2 |
| C503,504 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C505,506 | ECEA16V10 | 10μF | 16WV | 2 |
| C507,508 | ECFD1E333MD | 0.033μF | 35WV | 2 |
| C509,510 | ECKD1H152MD | 0.0015μF | 50WV | 2 |
| C511,512 | ECQM1H183MZ | 0.018μF | 50WV | 2 |
| C513,514 | ECEA50V1 | 1μF | 50WV | 2 |
| C515,516 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C517,518 | ECEA50V1 | 1μF | 50WV | 2 |
| C519,520 | ECSF35ER1T | 0.1μF | 35WV | 2 |
| C521,522 | ECKD1H102MD | 0.001μF | 50WV | 2 |
| C523 | ECEA35V47 | 47μF | 35WV | 1 |

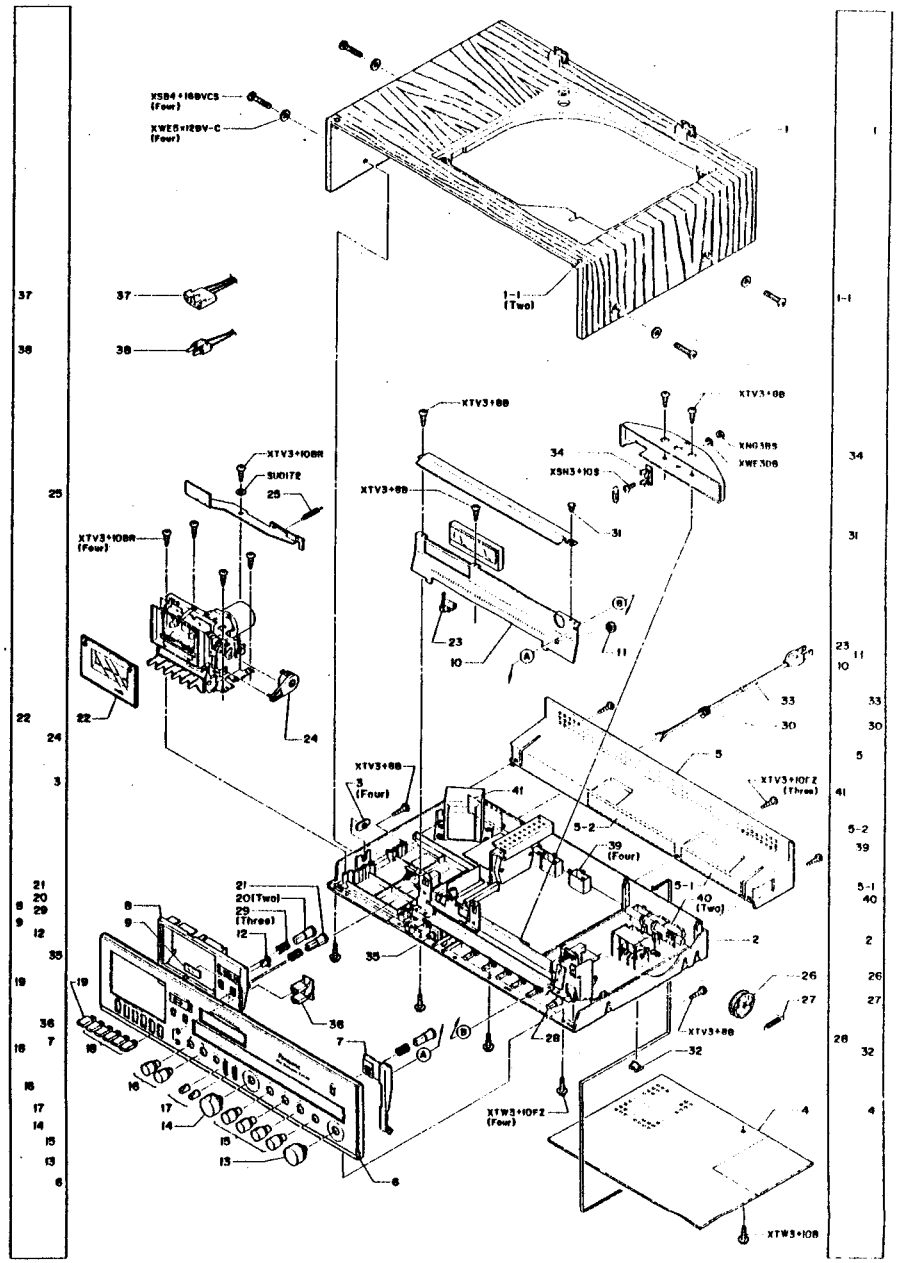
# REPLACEMENT PARTS LIST

| Ref. No. | | Part No. | Description | | Per Set (pcs.) |
|---|---|---|---|---|---|
| C601,602 | | ECSF35E1T | 1μF | 35WV | 2 |
| C603,604 | | ECKD1H102PF | 0.001μF | 50WV | 2 |
| C605,606 | | ECFD1E153MD | 0.015μF | 35WV | 2 |
| C607,608 | | ECFD1E333MD | 0.033μF | 35WV | 2 |
| C609,610 | | ECSF35ER33T | 0.33μF | 35WV | 2 |
| C611,612 | | ECEA35V4R7 | 4.7μF | 35WV | 2 |
| C701,702 | | ECSF35E1T | 1μF | 35WV | 2 |
| C703,704 | | ECKD1H681MD | 680pF | 50WV | 2 |
| C705,706 | | ECEA25V220 | 220μF | 25WV | 2 |
| C707,708 | | ECEA35V10 | 10μF | 35WV | 2 |
| C709,710 | O | ECEA1VS102 | 1000μF | 35WV | 2 |
| C711,712 | | ECEA35V47 | 47μF | 35WV | 2 |
| C713,714 | | ECQM1H473MZ | 0.047μF | 50WV | 2 |
| C715 | | ECEA50V220 | 220μF | 50WV | 1 |
| C716,717 | | ECCD1H680K | 68pF | 50WV | 2 |
| C801,802 | | ECCD1H331K | 330pF | 50WV | 2 |
| C803 | | ECKD1H471MD | 470pF | 50WV | 1 |
| C804 | | ECCD1H221K | 220pF | 50WV | 1 |
| C805 | O | ECEA1ES101 | 100μF | 25WV | 1 |
| C807 | | ECEA50V1 | 1μF | 50WV | 1 |
| C901,902 | | ECKDEL103ZE | 0.01μF | 250WV | 2 |
| C903 | | ECKDEL101MB | 100pF | 250WV | 1 |
| C904,905 | | ECKD1H103PF | 0.01μF | 50WV | 2 |
| C906,907 | | ECKD1H103PF | 0.01μF | 50WV | 2 |
| C908,909 | | ECKD1H103PF | 0.01μF | 50WV | 2 |
| C910,911 | | ECKD1H103PF | 0.01μF | 50WV | 2 |
| C912 | | ECEA35V220 | 220μF | 35WV | 1 |
| C913 | | ECEA25V220 | 220μF | 25WV | 1 |
| C914 | | ECEA16V47 | 47μF | 16WV | 1 |
| C915 | O | ECET50R332SW | 3300μF | 50WV | 1 |
| C916 | | ECET25R222SU | 2200μF | 25WV | 1 |

| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|



# PARTS LOCATION OF CABINET AND CHASSIS



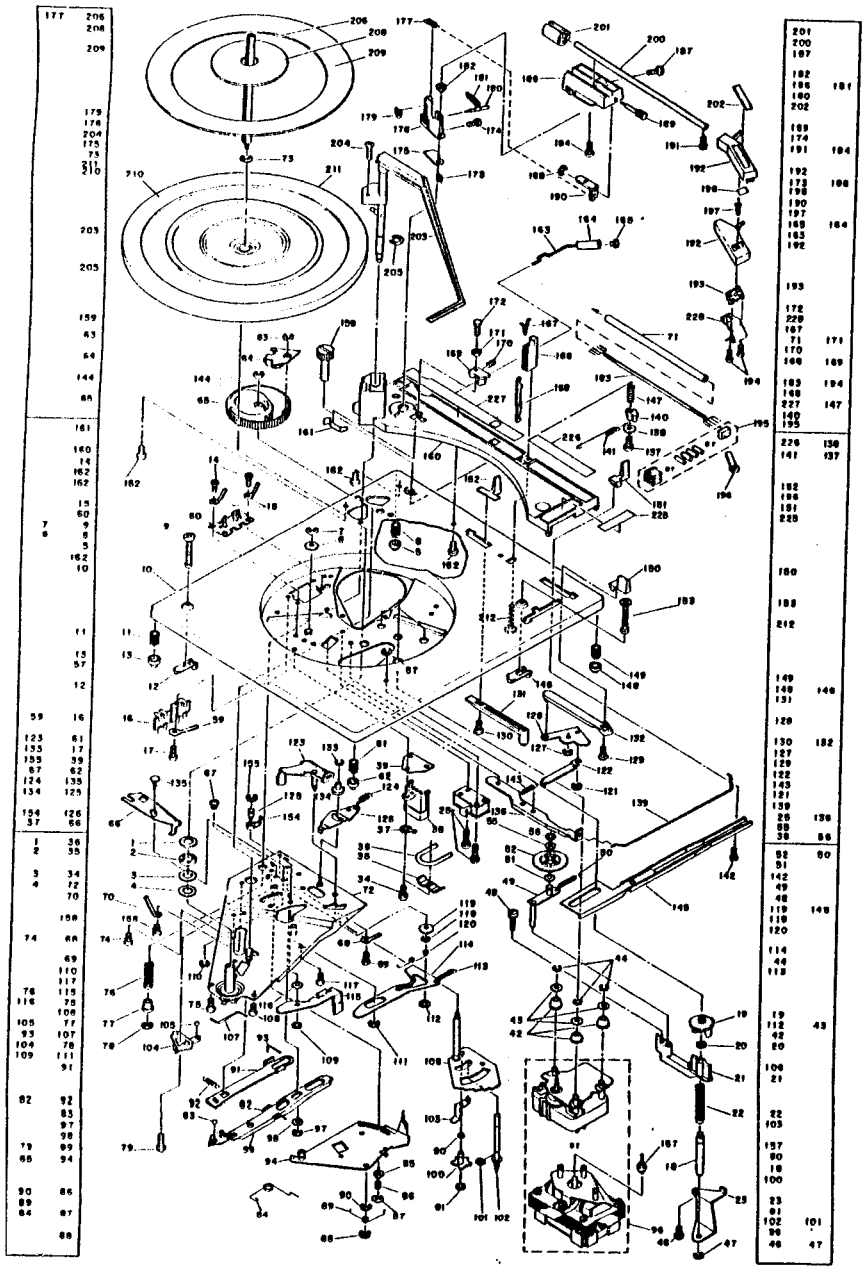
# REPLACEMENT PARTS LIST OF CABINET AND CHASSIS

**CABINET AND CHASSIS**

| Ref. No. | | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|---|
| 1 | ○ | SKA2320 | Cabinet A Ass'y | 1 |
| 1-1 | | (SHG9058) | Dust Cover Rubber | (2) |
| 2 | ○ | SKA2300 | Cabinet B Ass'y | 1 |
| 3 | ○ | SNE456 | Side Nut | 4 |
| 4 | ○ | SYU340 | Bottom Board Ass'y | 1 |
| 5 | ○ | SYK1570 | Rear Cover Ass'y | 1 |
| | | **Not Supply** | Rear Cover | (1) |
| 5-1 | ○ | (SQX9714) | Indication Label A | (1) |
| 5-2 | | (SQX9716) | Indication Label B | (1) |
| 6 | ○ | SYP356-1 | Escutcheon Ass'y | 1 |
| | ○ | **Not Supply** | Escutcheon | (1) |
| | | | Transparent | (1) |
| | | | Ornament (Right) | (1) |
| | | | Ornament (Left) | (1) |
| | | | Transparent Bracket | (1) |
| | | | Lever Guide | (1) |
| 7 | ○ | SGE798 | Side Blind | 1 |
| 8 | ○ | SYE572-1 | Deck Cover Ass'y | 1 |
| 9 | | SGE476 | Transparent Cover | 1 |
| 10 | | SKD4001 | Dial Scale | 1 |
| 11 | | SGX1064 | Ornament | 1 |
| 12 | | SBC292 | Reset Button | 1 |
| 13 | ○ | SBN804-1 | Tuning Knob | 1 |
| 14 | ○ | SBN806-1 | Volume Knob | 1 |
| 15 | ○ | SBN808-1 | Selector Knob | 4 |
| 16 | ○ | SBN812-1 | Rec Knob | 2 |
| 17 | ○ | SBN810-3 | Lever Knob | 2 |
| 18 | ○ | SBC286-2 | Cassette Button | 5 |
| 19 | ○ | SBC286-3 | Rec Button | 1 |
| 20 | | SBC208 | Push Button | 2 |
| 21 | | SBC212 | Power Button | 1 |
| 22 | ○ | SYE560-1 | Cassette Lid B Ass'y | 1 |
| | | **Not Supply** | Cassette Lid B | (1) |
| | | | Ornament | (1) |
| | | | Transparent | (1) |
| | | | Ornament Screw | (2) |
| 23 | ○ | SDP192 | Dial Pointer Ass'y | 1 |
| 24 | | SXE122 | Eject Arm Ass'y | 1 |
| 25 | ○ | SUS248 | Rec Spring | 1 |
| 26 | | SDD46K | Dial Drum | 1 |
| 27 | | **RDS4172A** | Drum Spring | 1 |
| 28 | ○ | SDT9252-3 | Tuning Shaft | 1 |
| 29 | | SUS184-1 | Spring | 3 |
| 30 | | SHR102 | Power Cord Clamp | 1 |
| 31 | | SHR969ZA | Latch | 1 |
| 32 | | SUS222 | Contact Spring | 1 |
| 33 | | **RJA9YA-K** | Power Cord | 1 |
| 34 | | SJF106-1 | Fuse Holder | 1 |
| 35 | | SJJ84 | Headphone Jack | 1 |
| 36 | | RJJ48A | Mic Jack | 1 |
| 37 | C | RJP128ZA | Charger Plug | 1 |
| 38 | | SJP2214 | Plug w/Lead | 1 |
| 39 | | SJF3208 | Terminal 2P | 4 |

| Ref. No. | | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|---|
| 40 | | SJF4212 | ANT Terminal | 2 |
| 41 | | SGN3601 | Name Plate | 1 |
| – | * | RKF-P13G (MEP Supply) | Dust cover Ass'y | 1 |

# EXPLODED VIEW OF RECORD CHANGER (C141R1)





# REPLACEMENT PARTS LIST OF RECORD CHANGER (C-141R1)

**NOTE:** The parts whose numbers are described on the Exploded View but not in Replacement Parts List are not used in this record changer.

**RECORD CHANGER (C-141R1-A1-ZC4531/616)**

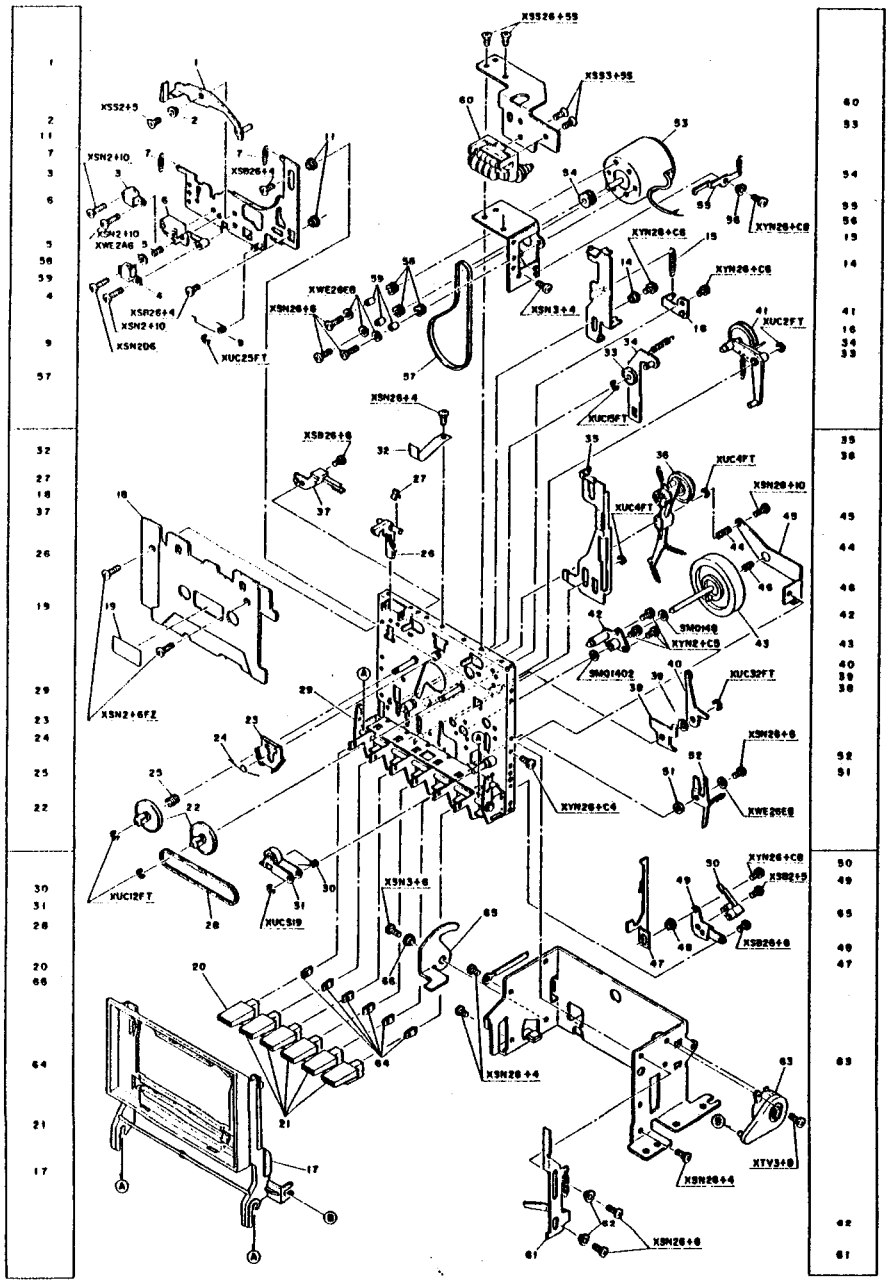
| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|
| 1 | A101506 | Thrust Washer | 1 |
| 2 | A101649 | Ballrace | 1 |
| 3 | A101506 | Thrust Washer | 1 |
| 4 | A102058 | Damping Washer | 1 |
| 5 | A106089 | Spring Cup | 1 |
| 6 | A106090 | Unit Mounting Spring | 1 |
| 7 | A102109 | Circlip | 1 |
| 8 | A102595 | Washer | 1 |
| 9 | A104189 | Transit Screw | 1 |
| 10 | B108656 | Mainplate Sub-Assembly | 1 |
| 11 | A106090 | Unit Mounting Spring | 1 |
| 12 | A102166 | Retaining Clip | 1 |
| 13 | A106089 | Spring Cup | 1 |
| 14 | A106510 | Screw Type B No.6 x 1/4" Rec. Pan Head | 2 |
| 15 | A102126 | Solder Tag | 2 |
| 18 | A106589 | Raising Spindle | 1 |
| 19 | B110364 | Raising Cam | 1 |
| 20 | A102109 | Circlip | 1 |
| 21 | B106021 | Speed Change Arm | 1 |
| 22 | A105831 | Raising Spindle Spring | 1 |
| 23 | A106034 | Speed Change Bracket | 1 |
| 25 | B110982 | Switch Assembly | 1 |
| 34 | A105263 | Screw Type BT 6-20 x 3/8" Rec. Pan Head | 1 |
| 37 | A106749 | 4 BA Tag Lockwasher | 1 |
| 38 | A111516 | Molex Plug Housing | 1 |
| 39 | A104865 | Insulating Strip | 1 |
| 42 | A102181 | Rubber Mounting | 3 |
| 43 | A101646 | Motor Mounting Washer | 3 |
| 44 | A100762 | Circlip | 3 |
| 46 | A106510 | Screw Type B No.6 x 1/4" Rec. Pan Head | 1 |
| 47 | A102128 | Circlip | 1 |
| 48 | A105619 | Adjusting Screw | 1 |
| 49 | A105965 | Jockey Arm Riveting Assembly | 1 |
| 50 | A105824 | Jockey Pulley Spring | 1 |
| 51 | A101620 | Jockey Pulley Spindle Washer | 1 |
| 52 | A101623 | Jockey Pulley Assembly | 1 |
| 55 | A101620 | Jockey Pulley Spindle Washer | 1 |
| 56 | A100762 | Circlip | 1 |
| 57 | A102128 | Circlip | 1 |
| 60 | A102616 | Phono Socket | 1 |
| 61 | A106090 | Unit Mounting Spring | 1 |
| 62 | A106089 | Spring Cup | 1 |
| 63 | A100762 | Circlip | 1 |
| 64 | A106819 | Actuating Pawl Assembly | 1 |
| 65 | A102133 | Cam Gear Riveting Assembly | 1 |
| 66 | A108034 | Cut-Off Slide | 1 |
| 67 | A108083 | Cut-Off Slide Spring | 1 |
| 68 | A102126 | Solder Tag | 1 |
| 69 | A110609 | Screw No.8 x 1/2" HI-Lo Rec. Pan Head | 1 |
| 70 | A102126 | Solder Tag | 1 |
| 71 | A108401 | 7" – 3 mm PVC Sleeving | 1 |
| 72 | C108104 | Main Sub Plate Riveting Assembly | 1 |
| 73 | A105676 | Circlip | 1 |
| 74 | A106510 | Screw Type B No.6 x 1/4" Rec. Pan Head | 1 |
| 75 | A106510 | Screw Type No.6 x 1/4" Rec. Pan Head | 1 |
| 76 | A110985 | Control Spindle Spring | 1 |
| 77 | A104861 | Spacer | 1 |
| 78 | A102109 | Circlip | 1 |
| 79 | A106512 | Screw Type BT 4-24 x 5/8" Rec. Pan Head | 1 |
| 80 | A108654 | Spring Clip | 1 |
| 81 | A100762 | Circlip | 1 |
| 82 | A105901 | Actuating Slide Spring | 1 |
| 83 | A107419 | Ball Bearing 9/64" Diameter | 1 |
| 84 | A106980 | Operating Plate Spring | 1 |
| 85 | A103290 | Washer | 1 |
| 86 | A108077 | Spring | 1 |
| 87 | A100785 | Circlip | 1 |
| 88 | A102109 | Circlip | 1 |
| 89 | A108078 | Selector Drive Spring | 1 |
| 90 | A102109 | Circlip | 1 |
| 91 | B105597 | Feed Lever Link | 1 |
| 92 | A105827 | Link Return Spring | 1 |
| 93 | A106968 | Feed Lever Link Spring | 1 |
| 94 | B108168 | Operating Plate Assembly | 1 |
| 96 | FP20/4 | Four Pole Motor Assembly | 1 |
| 97 | A104077 | Circlip | 1 |
| 98 | A106966 | Washer | 1 |
| 99 | B106962 | Actuating Slide | 1 |
| 100 | B108073 | Toggle Wheel | 1 |
| 101 | A108334 | Circlip | 1 |
| 102 | A106697 | Pick-Up Raising Spindle Assembly | 1 |
| 103 | A107004 | Support Spring | 1 |
| 104 | A106965 | Support Bracket | 1 |
| 105 | A107154 | Ball Bearing 3/32" Diameter | 1 |
| 106 | B108085 | Quadrant Assembly | 1 |
| 107 | A104882 | Retaining Clip | 1 |
| 108 | A106510 | Screw Type B No.6 x 1/4" Rec. Pan Head | 1 |
| 109 | A100785 | Circlip | 1 |
| 110 | A102128 | Circlip | 1 |
| 111 | A101526 | Circlip | 1 |
| 112 | A102251 | Retainer | 1 |
| 113 | A102623 | Cut-Off Lever Spring | 1 |
| 114 | B105592 | Cut-Off Lever | 1 |
| 115 | B108036 | Selector Lever | 1 |
| 116 | A108893 | Washer | 1 |
| 117 | A106510 | Screw Type B No.6 x 1/4" Rec. Pan Head | 1 |
| 118 | A100762 | Circlip | 1 |
| 119 | A105660 | Control Washer | 1 |
| 120 | A106627 | Detent Spring | 1 |
| 121 | A102109 | Circlip | 1 |
| 122 | A106134 | Reject Link | 1 |
| 123 | A108283 | Reject Lever Assembly | 1 |
| 124 | A108075 | Detent Plate Spring | 1 |
| 125 | A108894 | Selector Pivot | 1 |
| 126 | A108033 | Dente Plate | 1 |
| 127 | A102109 | Circlip | 1 |
| 128 | A106193 | Reject Plate Assembly | 1 |
| 129 | A105267 | Screw Type BT 4-24 x 5/16" Rec. Pan Head | 1 |

# REPLACEMENT PARTS LIST OF RECORD CHANGER (C-141R1)

| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|
| 130 | A105267 | Screw Type BT 4-24 × 5/16" Rec. Pan Head | 1 |
| 131 | B106119 | Reject Slide | 1 |
| 132 | B106143 | Selector Slide | 1 |
| 133 | A100785 | Circlip | 1 |
| 134 | A108461 | Roller | 1 |
| 135 | A108064 | Slide Pin | 1 |
| 136 | A106129 | Switch Lever | 1 |
| 137 | A107863 | Screw Type BT 4-24 × 9/16" Rec. Pan Head | 1 |
| 138 | A106816 | Washer | 1 |
| 139 | B106405 | Switch Link | 1 |
| 140 | B106815 | Spring Anchor | 1 |
| 141 | A106812 | Anti-Skate Spring | 1 |
| 142 | A105267 | Screw Type BT 4-24 × 5/16" Rec. Pan Head | 1 |
| 143 | A105826 | Switch Lever Spring | 1 |
| 144 | A102110 | Circlip | 1 |
| 145 | B108113 | Speed Change Slide Assembly | 1 |
| 146 | A102166 | Retaining Clip | 1 |
| 147 | A106813 | Anti-Skate Control Spring | 1 |
| 148 | A106089 | Spring Cup | 1 |
| 149 | A106090 | Unit Mounting Spring | 1 |
| 150 | A110360 | Knob | 1 |
| 151 | A110360 | Knob | 1 |
| 152 | B111439 | Selector Knob | 1 |
| 153 | A104189 | Transit Screw | 1 |
| 154 | A108891 | Selector Pivot Spring | 1 |
| 155 | A102109 | Circlip | 1 |
| 157 | A110605 | 50 Hz Motor Pulley | 1 |
| | A110606 | 60 Hz Motor Pulley | 1 |
| 158 | A106510 | Screw Type B No.6 × 1/4" Rec. Pan Head | 1 |
| 159 | B108629 | Anti-Skate Control | 1 |
| 160 | D111169 | Escutcheon | 1 |
| 161 | A108410 | Spring | 1 |
| 162 | A106510 | Screw Type B No.6 × 1/4" Rec. Pan Head | 3 |
| 163 | A110451 | Raising Arm | 1 |
| 164 | A110381 | Knob | 1 |
| 165 | A110408 | Cap | 1 |
| 166 | A106663 | Pick-Up Rest | 1 |
| 167 | A106173 | Pick-Up Spring | 1 |
| 168 | A106664 | Pick-Up Clip | 1 |
| 169 | A110454 | Raising Pad | 1 |
| 170 | A106505 | Grub Screw 6 BA × 1/8" pointed | 1 |
| 171 | A105907 | Nut | 1 |
| 172 | A105712 | Adjusting Screw | 1 |
| 173 | A106047 | Locking Sleeve | 1 |
| 174 | A106917 | Screw Type 6 BA × 3/8" Std. Cheese Head | 1 |
| 175 | A106654 | Pick-Up Adjuster | 1 |
| 177 | A105669 | Pick-Up Balance Spring | 1 |
| 178 | A108384 | Hinge Bracket Riveting Assembly | 1 |
| 179 | A106205 | Circlip | 1 |
| 180 | A108381 | Pick-Up Pivot | 1 |
| 181 | A108382 | Hinge Retainer Spring | 1 |
| 182 | A105624 | Pick-Up Spindle Nut | 1 |
| 183 | A106745 | 20" – Quin Pick-Up Lead | 1 |
| 184 | A109551 | Screw Type A No.4 × 1/4" Rec. Pan Head | 1 |
| 186 | A110574 | Pick-Up Body Sub Assembly | 1 |
| 187 | A106652 | Pick-Up Pivot Screw | 1 |
| 188 | A108348 | Circlip | 1 |

| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|
| 189 | A108344 | Balance Adjusting Screw | 1 |
| 190 | B110417 | Balance Adjuster | 1 |
| 191 | A109551 | Screw Type A No.4 × 1/4" Rec. Pan Head | 1 |
| 192 | C110397 | Pick-Up Head | 1 |
| 193 | A106775 | Adaptor Plate | 1 |
| 195 | A104306 | Sleeve (4 off) | 1 |
| 196 | A103587 | Solder Tag | 1 |
| 197 | A107360 | Screw | 1 |
| 198 | A110449 | Pick-Up Head Trim | 1 |
| 200 | B111172 | Pick-Up Tube | 1 |
| 201 | B111159 | Counterweight | 1 |
| 203 | B111189 | Control Arm Assembly | 1 |
| 204 | A108827 | Screw Type B No.2 × 1/2" Rec. Countersunk Head | 1 |
| 205 | A108841 | Circlip | 1 |
| 206 | A107043 | Centre Spindle Assembly | 1 |
| 207 | A108748 | Stub Spindle | 1 |
| 208 | B110793 | Turntable Centre Disc | 1 |
| 209 | B106139 | Turntable Trim | 1 |
| 210 | C109261 | Turntable Mat | 1 |
| 211 | C106194 | Turntable Assembly | 1 |
| 212 | A106507 | Screw Type BT 6-20 × 3/4" Rec. Pan Head | 1 |
| 225 | A111174 | Speed Change Trim | 1 |
| 226 | A111173 | Control Trim | 1 |
| 227 | A111176 | Trim | |
| | PS899 | 45 r.p.m. Adaptor | 1 |
| | QLM30/MKII | Cartridge w/Screws | 1 |
| | RSQ30 | Stylus | 1 |

# EXPLODED VIEW OF TAPE DECK (SJD516/SJD516-1)



# REPLACEMENT PARTS LIST OF TAPE DECK (SJD516/SJD516-1)

## CASSETTE TAPE DECK (SJD516/SJD516-1)

| Ref. No. | Part No. | Description | Per Set (pcs.) |
|---|---|---|---|
| 1 | SMQ1390 | Lever Assembly, Auto Stop | 1 |
| 2 | SMQ1392 | Spacer, Auto Stop Lever | 1 |
| 3 | SJH14 | Erase Head | 1 |
| 4 | SJH30 | R/P Head | 1 |
| 5 | SMQ678 | Spring, R/P Head | 1 |
| 6 | SMQ1362-1 | Head Base | 1 |
| 7 | SMQ1360 | Spring A, Head Panel | 2 |
| 9 | SMQ1444 | Spring B, Head Panel | 1 |
| 11 | SMQ1398 | Spacer, Head Panel | 1 |
| 14 | SMQ1774 | Spacer, REC Slide Lever | 1 |
| 15 | SMQ1816 | Spring, REC Slide Lever | 1 |
| 16 | SMQ1852 | Spring Hanger | 1 |
| 17 | SGE810 | Cassette Lid A | 1 |
| 18 | SGE730-3 | Cassette Blind Plate (For SJD516) | 1 |
| | SGE730-4 | Cassette Blind Plate (For SJD516-1) | 1 |
| 19 | SDH200 | Fluorescent Paper | 1 |
| 20 | SBC286-1 | Push Button, REC | 1 |
| 21 | SBC286 | Push Button | 5 |
| 22 | SMQ1626 | Reel Table | 2 |
| 23 | SMQ1354 | Brake Arm | 1 |
| 24 | SMQ1356 | Spring, Brake Arm | 1 |
| 25 | SMQ462 | Spring, Supply Reel | 1 |
| 26 | SMQ1232-1 | Lever, REC Safety w/Spring | 1 |
| 27 | SMQ1706 | Stopper, REC Safety Lever | 1 |
| 28 | SMQ1776 | Belt, Counter | 1 |
| 29 | SMQ1862 | Push Button, Frame Assembly | 1 |
| 30 | SMQ1366 | Spring, Pressure Roller | 1 |
| 31 | SMQ1364 | Pressure Roller | 1 |
| 32 | SMQ1664 | Spring, Tape Holder (For SJD516) | 1 |
| | SMQ2020 | Spring, Tape Holder (For SJD516-1) | 1 |
| 33 | SMQ1386 | Rewind Idler | 1 |
| 34 | SMQ1408 | Rewind Arm Assembly w/Spring | 1 |
| 35 | SMQ1406 | Operation Plate, Brake | 1 |
| 36 | SMQ1382-1 | FF. Arm Assembly w/Spring | 1 |
| 37 | SMQ1378 | Leaf Switch, Motor ON-OFF | 1 |
| 38 | SMQ1430 | Rewind Lever | 1 |
| 39 | SMQ1434 | Nylon Washer | 1 |
| 40 | SMQ1432 | FF. Lever | 1 |
| 41 | SMQ1672-1 | Clutch Assembly w/Spring | 1 |
| 42 | SMQ1370-1 | Shaft, Flywheel | 1 |
| 43 | SMQ1782 | Flywheel | 1 |
| 44 | SMQ678 | Spring, Flywheel Retainer | 1 |
| 45 | SMQ1404 | Retainer, Flywheel | 1 |
| 46 | SMQ1784 | Thrust Spring, Flywheel | 1 |
| 47 | SMQ1530-1 | Play Lever | 1 |
| 48 | SMQ1524 | Spacer, Play Lever | 1 |
| 49 | SMQ1526 | Bracker, Amp. Switch | 1 |
| 50 | SMQ1380 | Leaf Switch, Tape Amp. ON-OFF | 1 |
| 51 | SMQ1436 | Spacer, Auto Stop Lever | 1 |
| 52 | SMQ1436-1 | Lever, Auto Stop Drive w/Spring | 1 |
| 53 | MHT5NF2X1 | Motor w/o Motor Pulley | 1 |
| 54 | SMQ1662 | Motor Pulley | 1 |
| 55 | SMQ1786 | Eject Hook w/Spring | 1 |
| 56 | SMQ1426 | Spacer, Eject Hook | 1 |
| 57 | SMQ1788 | Main Belt | 1 |
| 58 | SMQ716 | Rubber Cushion, Motor | 1 |
| 59 | SMQ718 | Spacer, Motor | 1 |
| 60 | SMQ1714 | Tape Counter | 1 |
| 61 | SMQ1666 | Lever, Eject Slide w/Spring | 1 |
| 62 | SMQ1426 | Spacer A, Eject Slide Lever | 1 |
| 63 | SXE122 | Eject Assembly | 1 |
| 64 | SMQ1868 | Spring, Push Button | 1 |
| 65 | SMQ1858 | Lever, REC | 1 |
| 66 | SMQ1860 | Spacer, REC Lever | 1 |

# SPECIFICATIONS

## AMPLIFIER SECTION

| | |
|---|---|
| Power Output | 10 watts per channel minimum continuous RMS power at 8 ohms from 70 Hz to 20 kHz with no more than 2% total harmonic distortion |
| Input Sensitivity and Impedance: | |
| Phono | 2.7 mV, 40k ohms |
| Mic | 1.0 mV, 1.5 k ohms |
| Aux | 300 mV, 50k ohms |
| REC Output Level and Impedance | 150 mV, 2k ohms |
| Tone Controls: | |
| Bass | ±10 dB at 100 Hz |
| Treble | ±10 dB at 10 kHz |
| Loudness Control | +7 dB at 100 Hz, +4 dB at 10 kHz (Volume at −30 dB position) |

## FM TUNER SECTION

| | |
|---|---|
| Frequency Range | 88 MHz ~ 108 MHz |
| Usable Sensitivity | 3.0 μV (S/N 30 dB Mod. 30%) |
| Harmonic Distortion: | |
| Mono | 0.3% (at 1 kHz Mod. 30%) |
| Stereo | 0.5% (at 1 kHz Mod. 30%) |
| Selectivity | 55 dB |
| Signal/Noise Ratio | 65 dB (at 1 kHz Mod. 100% Mono) |
| Stereo Separation | 35 dB (at 1 kHz) |
| Image Rejection | 40 dB (98 MHz) |

## AM TUNER SECTION

| | |
|---|---|
| Frequency Range | 525 kHz ~ 1605 kHz |
| Sensitivity | 100 μV/m for 50 mW |
| Selectivity | 25 dB |
| Image Rejection | 35 dB |

## RECORD PLAYER SECTION

| | |
|---|---|
| Player System | Automatic Record Changer (BSR) (C141R1-A1-4531/616) |
| Turntable Size | 28 cm (11") |
| Turntable Speed | 33-1/3, 45 and 78 r.p.m., 3-speed |
| Phonomotor | 4-Pole Induction |
| Cartridge | Magnetic |
| Stylus | Diamond |
| Stylus Pressure | 4 ~ 5g |

## TAPE DECK SECTION

| | |
|---|---|
| Recording System | AC Bias (47 kHz) |
| Erasing System | AC Erase (47 kHz) |
| Tape Speed | 4.75 cm/sec. (1-7/8 i.p.s.) |
| Frequency Response | 70 Hz ~ 12 kHz (Normal)<br>70 Hz ~ 15 kHz ($CrO_2$) |
| Signal/Noise Ratio | 52 dB (Weighted) |
| Wow and Flutter | 0.2% (WRMS) |

| | |
|---|---|
| **AC POWER SUPPLY** | AC 120V, 60 Hz |
| **POWER CONSUMPTION** | 80W |
| **DIMENSIONS (W × H × D)** | 567 mm × 249 mm × 417 mm (22-5/16") × (9-13/16") × (16-7/16") |
| **WEIGHT** | 11.9 kg (26 lbs. 4 oz.) |

* Specifications are subject to change without notice for furthter improvement.

# DONNÉES TECHNIQUES

## SECTION AMPLIFICATEUR

| | |
|---|---|
| Puissance de sortie | 10W par canal de 70 Hz ~ 20 kHz avec distorsion harmonique totale de 2% |
| Sensibilité et impédance d'entrée: | |
| Phono | 2,7 mV 40k ohms |
| Micro | 1,0 mV, 1,5k ohms |
| Aux. | 300 mV 50k ohms |
| Niveau et impédance de sortie | 150 mV/2k ohms |
| Tonalités: | |
| Basses | ±10 dB à 100 Hz |
| Aigus | ±10 dB à 10 kHz |
| Compensateur physiologique | +7 dB à 100 Hz et −4 dB à 10 kHz (En position −30 dB de volume) |

## SECTION BLOC D'ACCORD FM

| | |
|---|---|
| Gamme de fréquence | 88 ~ 108 MHz |
| Sensibilité | 3μV (rapport signal/bruit 30 dB et 30% de modulation) |
| Distorsion harmonique: | |
| Mono | 0,3% à 1 kHz (avec mod. 30%) |
| Stéréo | 0,5% à 1 kHz (avec mod. 30%) |
| Sélectivité | 55 dB |
| Rapport signal/bruit | 65 dB à 1 kHz (mono avec mod. 100%) |
| Séparation | 35 dB à 1 kHz |
| Facteur de réjection | 40 dB à 98 MHz |

## SECTION BLOC D'ACCORD AM

| | |
|---|---|
| Gamme de fréquence | 525 kHz ~ 1605 kHz |
| Sensibilité | 100μV/m pour 50mW |
| Sélectivité | 25 dB |
| Facteur de réjection | 35 dB |

## SECTION TOURNE-DISQUE

| | |
|---|---|
| Type | Tourne-disque automatique (BSR) (C141R1-A1-4531/616) |
| Plateau | 28 cm (11") |
| Vitesse de rotation | 33-1/3, 45, 78 tr/min |
| Moteur | A induction sur quatre pôles |
| Cellule de lecture | Magnétique |
| Pointe de lecture | Diamant |
| Force d'appui | 4 ~ 5g |

## SECTION MAGNÉTOPHONE À CASSETTE

| | |
|---|---|
| Enregistrement | Polarisation c.a. 47 kHz |
| Effacement | c.a. 47 kHz |
| Vitesse de défilement | 4,75 cm/s (1-7/8 po/s) |
| Réponse de fréquence | 70 Hz ~ 12 kHz (régulier)<br>70 Hz ~ 15 kHz ($CrO_2$) |
| Rapport signal/bruit | 52 dB (pondéré) |
| Pleurage et sautillement | 0,2% (eff. pondéré) |

| | |
|---|---|
| **ALIMENTATION** | 120V c.a., 60 Hz |
| **CONSOMMATION** | 80W |
| **DIMENSIONS** | 56,7 cm × 24,9 cm × 41,7 cm (22-5/16") × (9-13/16") × (16-7/16") |
| **POIDS** | 11,9 kg (26 lb 4 oz.) |

* Les poids et dimensions mentionnés sont approximatifs.
* Données sujettes à changements sans préavis.